

# MAYANK RAJ

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## CAREER OBJECTIVE

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Passionate about leveraging my expertise in AI/ML, web development, and DevOps to build scalable and efficient solutions. Seeking an opportunity to work on cutting-edge technologies, solve real-world challenges, and contribute to impactful projects while continuously learning and growing in a dynamic environment.

## EDUCATION

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### University of Engineering & Management, Jaipur

July 2022 - Present

Bachelor's of Technology

Computer Science and Engineering

8.9 CGPA

### Schooling

Higher Secondary Schooling

72% 2020 - 2022

Secondary Schooling

82.3% 2019 - 2020

## PROJECTS

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### • Real-Time Object Detection using YOLO

Developed a real-time object detection system using YOLO and OpenCV, focusing on accurately identifying and localizing objects in images. The system demonstrated high accuracy and efficiency, with potential applications in areas like urban surveillance and autonomous vehicles.

### • Diabetic Prediction Using Machine Learning Algorithm

Developed a machine learning model to predict the likelihood of diabetes in individuals based on medical data. The project involved data pre-processing, feature selection, and model training using algorithms such as logistic regression and decision trees. The system aims to provide early detection of diabetes, assist in timely medical intervention, and improve patient outcomes.

### • Real-Time Video Call Application

Developed a real-time video call application using React for the front-end and WebSocket for the back-end, allowing user-to-user connection via username.

## SKILLS

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• C, Java, Python, JavaScript, SQL, CSS

• Machine Learning, DSA, DBMS

• Pandas, NumPy, Scikit-Learn, React, Tailwind

• Git, GitHub, VSCode, Docker

## WORK/TRAINING EXPERIENCE

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### AI-ML Virtual Internship

July 2024 - Sept 2024

Completed a virtual internship focused on Artificial Intelligence and Machine Learning.

- Deep learning frameworks such as TensorFlow and PyTorch have been learned and applied.
- Worked on real-world AI applications, including model training and optimization.

## CERTIFICATIONS

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• Data Base Management System

NPTEL

• Joy of Computing Using Python

NPTEL

• Data Structure and Algorithm

Coursera